

IN THE CLAIMS

*Please amend claims as follows:*

1. (Currently amended) A method ~~for a communication device which communication device comprises a first software application and which communication device communicates with a network by using a layered protocol stack comprising a transport layer, the method comprising:~~

selecting an access point among a plurality of access points for establishing a communication connection between a terminal device and a network using said access point, said terminal device communicating with said network by using a layered protocol stack comprising a transport layer, and said terminal device having a plurality of application clients each accessing the network using a respective access point of said plurality of access points; and

establishing the communication connection between the terminal device and the network through a transport layer proxy. ~~providing a second software application at the same communication device, wherein the second software application implements a transport layer proxy between the first software application and the network.~~

2. (Currently amended) The method of claim 1, wherein the communication connection of the terminal device and communicates with the network is via an air interface.

3. (Currently amended) The method of claim 1, wherein the communication connection between the terminal device and the network comprises~~the method comprises accessing a remote server by establishing:~~

(i) ~~a local transport layer connection between the first software application client associated with the selected access point and the second software~~

~~application~~transport layer proxy, and

(ii) ~~a further transport layer connection between the second software~~

~~application~~transport layer proxy and the a remote server through the access point.

4. (Original) The method of claim 3, wherein the local transport layer connection and the further transport layer connection are client-server based connections.
5. (Currently amended) The method of claim 1, wherein the ~~second software application acts as a transport layer proxy for the first software application and~~ provides at least one additional service for the ~~first software application~~ client or for the user of the device.
6. (Original) The method of claim 5, wherein the provided additional service comprises selecting a network interface to be used in the case where more than one network interface is available.
7. (Currently amended) The method of claim 5, wherein the provided additional service comprises a service for selecting a bearer for crossing an air interface.
8. (Original) The method of claim 7, wherein the bearer operates in the protocol stack on a layer lower than the transport layer.
9. (Original) The method of claim 6, wherein the selection of a network interface or a bearer is performed based on information which comprises at least one of the following: network availability, user-defined rules, time, location, cost.
10. (Original) The method of claim 5, wherein the provided additional service comprises providing a network interface not natively supported by an operating system of the device.
11. (Original) The method of claim 5, wherein the provided additional service comprises providing support for multiple users.

12. (Original) The method of claim 11, wherein support for multiple users is implemented via a set of predefined user profiles.

13. (Original) The method of claim 5, wherein the provided additional service comprises receiving information indicative of a change in a remote server address and modifying the remote server address at the communication device by the second software application, whereby no modification in the first software application is needed.

14. (Currently amended) The method of claim 1, wherein the ~~first software application~~ client is an e-mail client, web browser or another end-user application.

15. (Original) The method of claim 1, wherein the transport layer is implemented by TCP (Transmission Control Protocol).

16. (Currently amended) ~~A communication device~~ An apparatus, comprising:  
a plurality of access interfaces configured to connect the apparatus with a network;  
a storage medium configured to store ~~which comprises a first software application a~~  
plurality of application clients for use by the apparatus, wherein each client is configured to  
access the network using a respective access interface of said plurality of access interfaces;  
and  
a proxy module configured to select an access interface among the plurality of  
access interfaces, and to connect the apparatus with the network through said proxy  
module,  
wherein said apparatus is capable of communicating with said network by using a  
layered protocol stack comprising a transport layer, and said proxy is a transport layer  
proxy. and which communication device is configured  
~~for communication with a network by using a layered protocol stack comprising a transport~~  
~~layer, the communication device further comprising:~~

~~a second software application at the same communication device, wherein the second software application is configured to implement a transport layer proxy between the first software application and the network.~~

17. (Currently amended) The ~~communication device~~apparatus of claim 16, wherein the ~~communication device~~apparatus is configured for communication via an air interface.

18. (Currently amended) The ~~apparatus communication device~~ of claim 16, wherein the connection between the apparatus and the network through said proxy module comprises the communication device is configured for access to a remote server by establishing:

- (iii) ~~a local transport layer connection between the first software application~~ client associated with the selected access interface and the second software application proxy module, and
- (iv) ~~a further transport layer connection between the second software application proxy module and the a remote server through the access interface.~~

19. (Currently amended) The ~~communication device~~apparatus of claim 18, wherein the local transport layer connection and the further transport layer connection are client-server based connections.

20. (Currently amended) The ~~apparatus communication device~~ of claim 16, wherein the ~~second software application proxy module~~ comprises computer readable storage medium for storing program code thereon, said program code being executed for acting as a proxy for the first software application client and for providing at least one additional service for the first software application client or for the user of the device.

21. (Currently amended) The apparatus ~~communication device~~ of claim 20, wherein the provided additional service comprises selecting a network interface to be used in the case where more than one network interface is available.

22. (Currently amended) The apparatus ~~communication device~~ of claim 20, wherein the provided additional service comprises selecting a bearer for crossing an air interface.

23. (Currently amended) The apparatus ~~communication device~~ of claim 22, wherein the bearer is operable in the protocol stack on a layer lower than the transport layer.

24. (Currently amended) The apparatus ~~communication device~~ of claim 22, wherein the ~~second software application~~ program code in the proxy module comprises program code for selecting the network interface or the bearer based on information which comprises at least one of the following: network availability, user-defined rules, time, location, cost.

25. (Currently amended) The apparatus ~~communication device~~ of claim 20, wherein the provided additional service comprises providing a network interface not natively supported by an operating system of the device.

26. (Currently amended) The apparatus ~~communication device~~ of claim 20, wherein the provided additional service comprises providing support for multiple users.

27. (Currently amended) The apparatus ~~communication device~~ of claim 26, ~~which is~~ wherein said apparatus is configured to provide support for multiple users via a set of predefined user profiles.

28. (Currently amended) The apparatus ~~communication device~~ of claim 20, wherein the provided additional service comprises receiving information indicative of a change in a remote server address and modifying the remote server address at the communication

device by the second software application, whereby no modification in the first software application is needed.

29. (Currently amended) The ~~apparatus communication device~~ of claim 16, wherein the ~~first software plurality of application clients comprises~~ is an e-mail client, a web browser or another end-user application client.

30. (Currently amended) The ~~apparatus communication device~~ of claim 16, wherein the transport layer is a ~~TCP (Transmission Control Protocol)~~ layer.

31-32. (Canceled)

33. (Currently amended) A ~~software application~~ computer program product comprising a computer readable storage medium storing program code thereon executable by a transport layer proxy in a communication device, ~~which communication device comprises another software application and which communication device is configured for communication with a network by using a layered protocol stack comprising a transport layer, wherein the software application~~ program code comprising:

instructions for selecting an access point among a plurality of access points for establishing a communication connection between the communication device and a network using said access point, said communication device communicating with said network by using a layered protocol stack comprising a transport layer, and said communication device having a plurality of application clients each accessing the network using a respective access point of said plurality of access points; and

instructions for establishing the communication connection between the communication device and the network through the transport layer proxy.

~~program code for implementing a transport layer proxy between said another software application and the network.~~

34. (Canceled)

35. (New) An apparatus, comprising:

- a plurality of access points for connecting the apparatus with a network;
- means for storing a plurality of application clients for use by the apparatus, each client accessing the network using a respective access points of said plurality of access points; and
- a proxy for selecting an access point among the plurality of access points, and for connecting the apparatus with the network through the proxy,

wherein said apparatus is capable of communicating with said network by using a layered protocol stack comprising a transport layer, and said proxy is a transport layer proxy.